

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier**Product name** STANDARD TURBIDITY REAGENT**Other means of identification****Product Code(s)** 7520**Recommended use of the chemical and restrictions on use****Recommended Use** Laboratory chemicals. Industrial (not for food or food contact use).**Details of the supplier of the safety data sheet****Manufacturer Address**LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620 USA
T 410-778-3100
F 410-778-9748**Emergency telephone number**

24 Hour Emergency Number (CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance Clear, colorless **Physical state** liquid **Odor** Odorless

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS-No | Weight % |
|---------------|-----------|----------|
| Kaolin | 1332-58-7 | <1 |
| Water | 7732-18-5 | to 100% |

4. FIRST AID MEASURES

FIRST AID MEASURES

| | |
|-----------------------|--|
| General advice | No hazards which require special first aid measures. |
| Eye contact | Rinse thoroughly with water as necessary. |
| Skin contact | Wash off with warm water and soap. |
| Inhalation | Not expected to require first aid measures. |
| Ingestion | Drink 1 or 2 glasses of water. |

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

| | |
|----------------------------------|---|
| Personal precautions | Refer to Section 8. |
| Environmental precautions | See Section 12 for additional Ecological Information. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for cleaning up | Soak up with inert absorbent material. After cleaning, flush away traces with water. |
|--------------------------------|--|

7. HANDLING AND STORAGE**Precautions for safe handling**

| | |
|-----------------|--|
| Handling | Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Do not eat, drink, or smoke when using this product. |
|-----------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|------------------------------|---|
| Storage | Keep tightly closed in a dry and cool place. Keep from freezing. Keep away from direct sunlight. Keep out of the reach of children. |
| Incompatible Products | No materials to be especially mentioned. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------|--------------------------|---|---|
| Kaolin 1332-58-7 | TWA: 2 mg/m ³ | TWA: 15 mg/m ³ TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ |
| Water 7732-18-5 | - | - | None Established |

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.

Skin and body protection Wear latex or nitrile gloves.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|------------------|-------------|----------|
| Physical state | liquid | Odor | Odorless |
| Appearance | Clear, colorless | | |

| | | |
|------------------------|----------------------|--------------------------------|
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------|----------------------|--------------------------------|

| | | |
|------------------------------|--------------------------|--|
| pH | 7 | |
| Melting point/freezing point | No information available | |
| Boiling Point/Range | 100 °C | |
| Flash point | No information available | |
| Evaporation rate | | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific gravity | No information available | |
| Water solubility | Soluble in water | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other information

| | | |
|------------------|--------------------------|--|
| Softening point | No information available | |
| Molecular weight | No information available | |
| VOC Content | No information available | |
| Density | No information available | |
| Bulk density | No information available | |

10. STABILITY AND REACTIVITY

| | |
|---------------------------------|--|
| Stability | Stable. |
| Hazardous Reactions | None under normal processing. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Do not freeze. |
| Incompatible materials | No materials to be especially mentioned. |

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Component Information

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------|--------------------|------------------|------------------|
| Kaolin 1332-58-7 | None Established | None Established | None Established |
| Water 7732-18-5 | > 90 mL/kg (Rat) | None Established | None Established |

Information on toxicological effects

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---------------------|-------|------------------|------------------|------|
| Kaolin 1332-58-7 | - | None Established | None Established | - |
| Water 7732-18-5 | - | None Established | None Established | - |

Chronic toxicity No known effect based on information supplied.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unknown Aquatic Toxicity 0.55% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Toxicity to Algae | Toxicity to Fish | Daphnia Magna (Water Flea) |
|---------------------|-------------------|------------------|----------------------------|
| Kaolin 1332-58-7 | None Established | None Established | None Established |
| Water 7732-18-5 | None Established | None Established | None Established |

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

| Chemical name | Log Pow |
|---------------------|------------------|
| Kaolin 1332-58-7 | None Established |
| Water 7732-18-5 | None Established |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging Do not re-use empty containers.

| Chemical name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------|------------------|--------------------------|------------------------|------------------------|
| Kaolin 1332-58-7 | None Established | - | None Established | None Established |
| Water 7732-18-5 | None Established | - | None Established | None Established |

| Chemical name | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|---------------------|--------------------------------------|------------------------|------------------------|------------------------|
| Kaolin 1332-58-7 | None Established | None Established | None Established | None Established |

| | | | | |
|--------------------|------------------|------------------|------------------|------------------|
| Water 7732-18-5 | None Established | None Established | None Established | None Established |
|--------------------|------------------|------------------|------------------|------------------|

| Chemical name | California Hazardous Waste Status |
|---------------------|-----------------------------------|
| Kaolin 1332-58-7 | - |
| Water 7732-18-5 | - |

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | SARA 313 - Threshold Values % |
|---------------------|-------------------------------|
| Kaolin 1332-58-7 | None Established |
| Water 7732-18-5 | None Established |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Kaolin 1332-58-7 | None Established | None Established | None Established | None Established |
| Water 7732-18-5 | None Established | None Established | None Established | None Established |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | RQ |
|---------------------|--------------------------|------------------|----|
| Kaolin 1332-58-7 | - | None Established | - |
| Water 7732-18-5 | - | None Established | - |

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

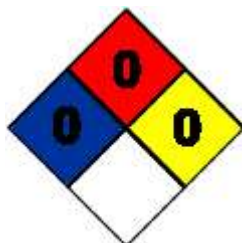
| Chemical name | California Prop. 65 |
|---------------------|---------------------|
| Kaolin 1332-58-7 | None Established |
| Water 7732-18-5 | None Established |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------------|------------------|--------------|
| Kaolin 1332-58-7 | X | X | X |
| Water 7732-18-5 | None Established | None Established | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------|----------------|--------------------|---|
| NFPA | Health hazard 0 | Flammability 0 | Instability 0 | Physical and Chemical Hazards N/A Personal precautions N/A |
| HMIS | Health hazard 0 | Flammability 0 | Physical hazards 0 | |



| | |
|---------------|---|
| Health Hazard | 0 |
| Fire Hazard | 0 |
| Reactivity | 0 |

Prepared by
Issuing Date
Revision Date
Revision note

Regulatory Affairs Department
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Nov-19-2014

MSDS was reviewed per Canada request - Canada requires MSDS to be dated within 3 years of the request

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS